The **CR3100 Series** Split Core Current Transformer is designed to provide a low cost method to monitoring electrical current. A unique hinge and locking snap allows attachment without interrupting the current-carrying wire. High secondary turn will develop signals up to 10.0 VAC across a burden resistor.

### Specifications

- **Part Numbers**
- **Split Core Current Transformers**
  - **CR3109-1500**
    - Imax: 30 AMP
    - Vmax RMS: 5
    - Te (typ.): 1510
    - DCR Ω: 187
    - Frequency: 20 - 1 KHz
  - **CR3110-3000**
    - Imax: 75 AMP
    - Vmax RMS: 15
    - Te (typ.): 3100
    - DCR Ω: 515
    - Frequency: 20 - 1 KHz
  - **CR3111-3000**
    - Imax: 100 AMP
    - Vmax RMS: 19
    - Te (typ.): 3150
    - DCR Ω: 390
    - Frequency: 20 - 1 KHz
  - **CR3113-2000**
    - Imax: 150 AMP
    - Vmax RMS: 16
    - Te (typ.): 2125
    - DCR Ω: 58
    - Frequency: 20 - 1 KHz

### Applications
- Portable Instruments
- Sub-Metering
- Monitor Motor Loads

### Features
- Small Size
- Low Cost
- High Secondary Turns
- Secure Locking Hinge

### Regulatory Agencies

- **CE**
- **UL**
- **RoHS**

### Formula

\[ V = \frac{I \times R}{T_e} \]

\[ V_L = V_{max} \left( 1 - \frac{I \times DCR}{T_e} \right) \]

For best linearity, choose R such that \( V < 0.8 \times V_L \)